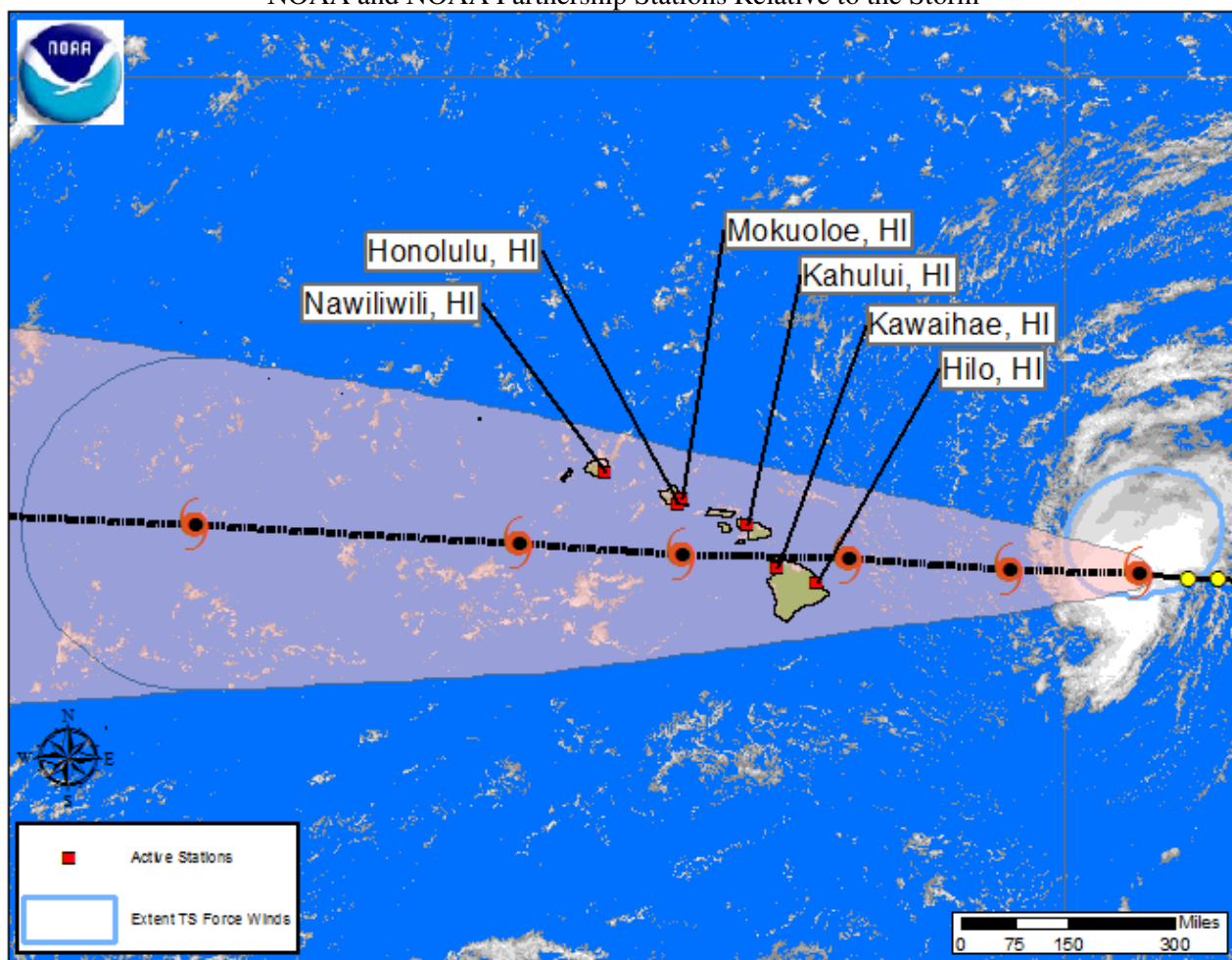




Tropical Storm FLOSSIE QuickLook  
Posted: 12:00 HST 07/28/2013

#### NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

As of 7/28/2013 12:00 HST, water levels in the Hawaiian Islands are generally at or slightly above predicted tide levels. Winds are generally under 10 knots across the Hawaiian Islands with a few isolated gusts over 20 knots. Barometric pressure is steady across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur. Water level predictions relative to Mean Lower Low Water are:

Hilo, Hilo Bay, Kuhio Bay, HI: Next predicted high tides are 1.8 ft (0.54 m) at 07/28/2013 19:05 HST and 1.8 ft (0.56 m) at 07/29/2013 09:36 HST.

Kawaihae, HI: Next predicted high tides are 1.3 ft (0.40 m) at 07/28/2013 20:10 HST and 1.7 ft (0.52 m) at

Tropical Storm FLOSSIE QuickLook, POSTED 12:00 HST 07/28/2013

07/29/2013 10:23 HST.

Kahului, Kahului Harbor, HI: Next predicted high tides are 1.7 ft (0.52 m) at 07/28/2013 17:56 HST and 1.6 ft (0.49 m) at 07/29/2013 09:12 HST.

Mokuoloe, HI: Next predicted high tides are 1.5 ft (0.46 m) at 07/28/2013 17:58 HST and 1.5 ft (0.46 m) at 07/29/2013 10:23 HST.

Honolulu, HI: Next predicted high tides are 1.2 ft (0.36 m) at 07/28/2013 20:20 HST and 1.6 ft (0.50 m) at 07/29/2013 10:44 HST.

Nawiliwili, HI: Next predicted high tides are 1.1 ft (0.35 m) at 07/28/2013 19:33 HST and 1.5 ft (0.46 m) at 07/29/2013 10:36 HST.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:TKM

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SELECT CENTRAL PACIFIC HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM FLOSSIE ADVISORY NUMBER 16  
NWS CENTRAL PACIFIC HURRICANE CENTER HONOLULU HI EP062013  
1100 AM HST SUN JUL 28 2013

...FLOSSIE WEAKENS SLIGHTLY AS IT CONTINUES TO MOVE TOWARD THE  
HAWAIIAN ISLANDS...

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY...

A TROPICAL STORM WARNING WARNING HAS BEEN ISSUED FOR OAHU. A  
TROPICAL STORM WATCH HAS BEEN ISSUED FOR KAUAI AND NIIHAU.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

\*HAWAII COUNTY

\*MAUI COUNTY...INCLUDING THE ISLANDS OF MAUI...MOLOKAI...LANAI AND  
KAHOOLAWE

\*OAHU

A TROPICAL STORM WATCH IS IN EFFECT FOR

\*KAUAI AND NIIHAU

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE  
EXPECTED WITHIN THE WARNING AREA WITHIN 36 HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE

POSSIBLE WITHIN THE WATCH AREA WITHIN 48 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY THE HONOLULU NWS FORECAST OFFICE.

#### DISCUSSION AND 48-HOUR OUTLOOK

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AT 1100 AM HST...2100 UTC...THE CENTER OF TROPICAL STORM FLOSSIE WAS LOCATED NEAR LATITUDE 19.9 NORTH...LONGITUDE 148.5 WEST. FLOSSIE IS MOVING TOWARD THE WEST NEAR 20 MPH...32 KM/H...AND THIS MOTION IS EXPECTED TO CONTINUE THROUGH THE NEXT 48 HOURS...WITH A SLIGHT SLOWING IN FORWARD SPEED.

MAXIMUM SUSTAINED WINDS ARE NEAR 60 MPH...95 KM/H...WITH HIGHER GUSTS. SOME WEAKENING IS FORECAST DURING THE NEXT 48 HOURS.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 160 MILES...260 KM FROM THE CENTER.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 996 MB...29.41 INCHES.

#### HAZARDS AFFECTING LAND

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WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO REACH THE BIG ISLAND AND MAUI COUNTY MONDAY MORNING...AND ARE POSSIBLE ON OAHU MONDAY NIGHT.

RAINFALL...HEAVY RAINFALL IS EXPECTED TO BEGIN AS EARLY AS MONDAY MORNING OVER HAWAII COUNTY AND MONDAY AFTERNOON OVER MAUI COUNTY...WITH HEAVY RAIN SPREADING TO OAHU BY MONDAY NIGHT. FLOSSIE IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 6 TO 10 INCHES OVER THE BIG ISLAND AND MAUI COUNTY...WITH ISOLATED MAXIMUM AMOUNTS OF 15 INCHES POSSIBLE...MAINLY WINDWARD. RAINFALL AMOUNTS OF 4 TO 8 INCHES ARE POSSIBLE OVER OAHU...WITH ISOLATED MAXIMUM AMOUNTS OF 12 INCHES POSSIBLE...MAINLY WINDWARD. THIS RAINFALL COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES...ESPECIALLY IN THE MOUNTAINS.

SURF...DANGEROUSLY LARGE SURF WILL BEGIN TO IMPACT EAST FACING SHORES OF THE ISLANDS AS EARLY AS TONIGHT WITH THE LARGEST SURF EXPECTED ON MONDAY INTO TUESDAY. BE AWARE THAT LARGE SURF CAN CAUSE COASTAL ROAD CLOSURES...EVEN BEFORE THE STORM ARRIVES. PLEASE CONSULT THE LATEST HURRICANE LOCAL STATEMENT FOR INFORMATION SPECIFIC TO YOUR AREA.

FORECASTER POWELL

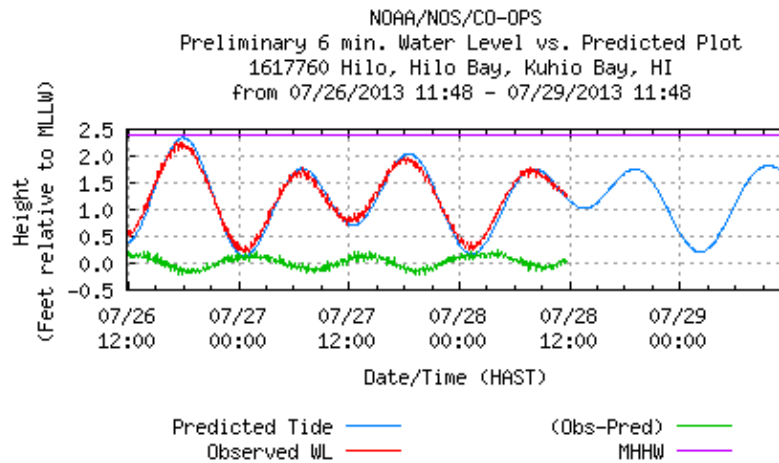
Tropical Storm FLOSSIE QuickLook, POSTED 12:00 HST 07/28/2013

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Barometric](#), [Hilo, Hilo Bay, Kuhio Bay - Air/Water Temp](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Kawaihae - Barometric](#), [Kawaihae - Air/Water Temp](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#), [Kahului, Kahului Harbor - Barometric](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Nawiliwili - Water Level](#)

Tropical Storm FLOSSIE QuickLook, POSTED 12:00 HST 07/28/2013

[Hilo, Hilo Bay, Kuhio Bay, HI - Return to List](#)

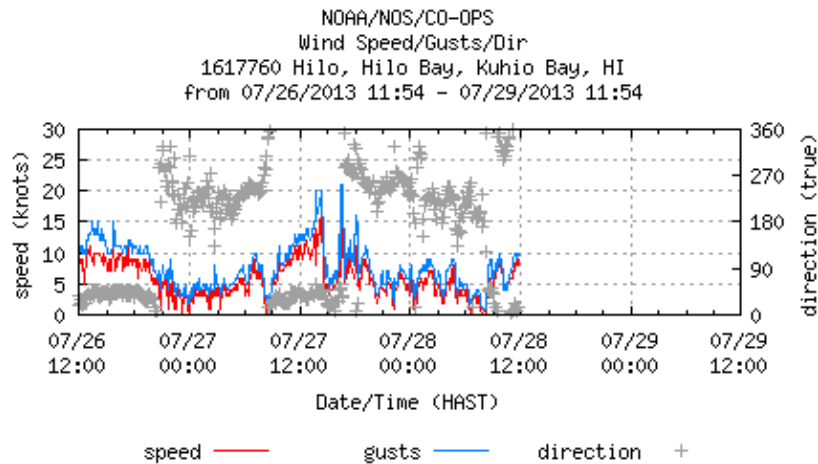


Last Observed Sample: 07/28/2013 11:48 (HAST)

Relative to MLLW: **Observed: 1.33 ft.** **Predicted: 1.19 ft.** **Residual: 0.14 ft.**

Historical Maximum Water Level: Jan 20 1981, 3.77 ft. above MLLW

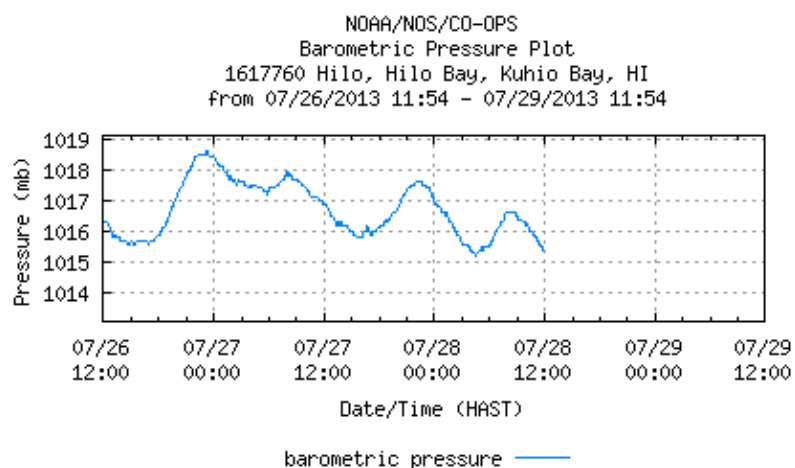
[Hilo, Hilo Bay, Kuhio Bay, HI - Return to List](#)



Last Observed Sample: 07/28/2013 11:48 (HAST)

**Wind Speed: 9 knots** **Gusts: 10 knots** **Direction: 16° T**

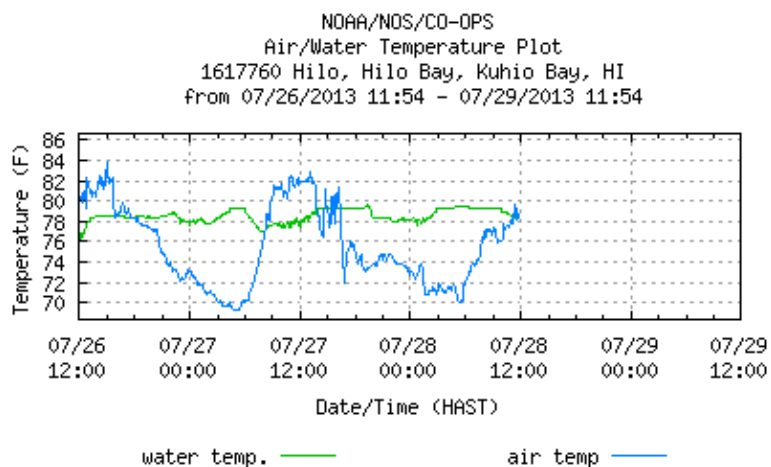
[Hilo, Hilo Bay, Kuhio Bay, HI - Return to List](#)



Last Observed Sample: 07/28/2013 11:48 (HAST)

Barometric Pressure: 1015.4 mb

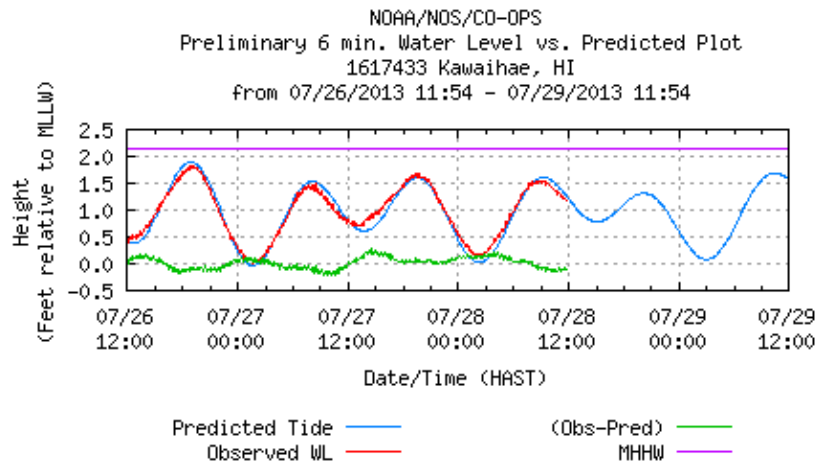
[Hilo, Hilo Bay, Kuhio Bay, HI - Return to List](#)



Last Observed Sample: 07/28/2013 11:48 (HAST)

Water Temperature: 78.3° F Air Temperature: 78.8° F

Kawaihae, HI - Return to List

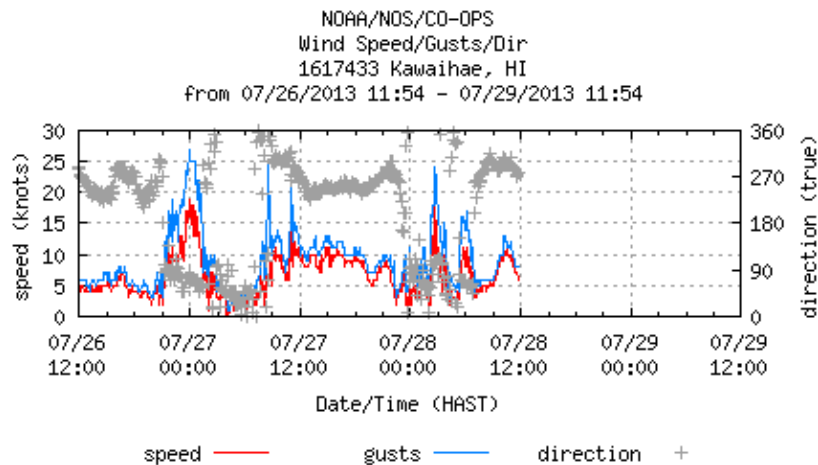


Last Observed Sample: 07/28/2013 11:42 (HAST)

Relative to MLLW: **Observed: 1.18 ft.** **Predicted: 1.27 ft.** **Residual: -0.09 ft.**

Historical Maximum Water Level: Dec 13 2008, 3.38 ft. above MLLW

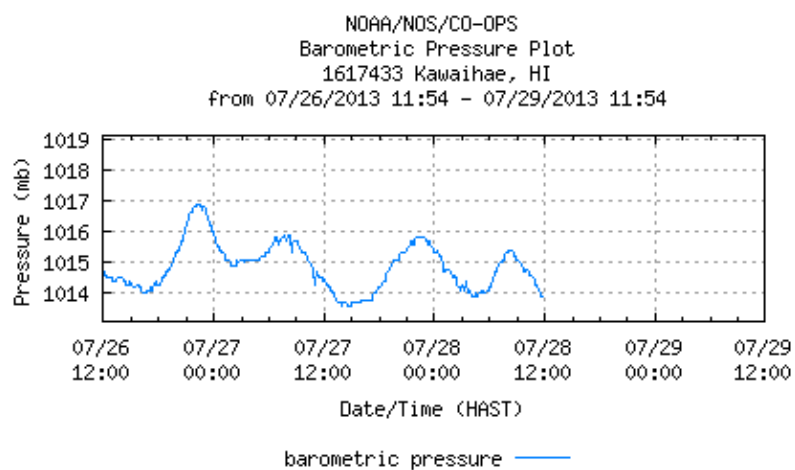
Kawaihae, HI - Return to List



Last Observed Sample: 07/28/2013 11:42 (HAST)

**Wind Speed: 6 knots** **Gusts: 8 knots** **Direction: 277° T**

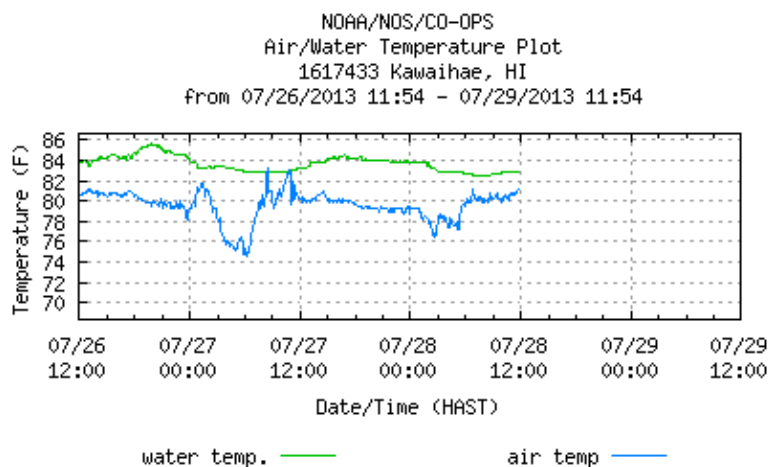
[Kawaihae, HI - Return to List](#)



Last Observed Sample: 07/28/2013 11:42 (HAST)

Barometric Pressure: 1013.9 mb

[Kawaihae, HI - Return to List](#)

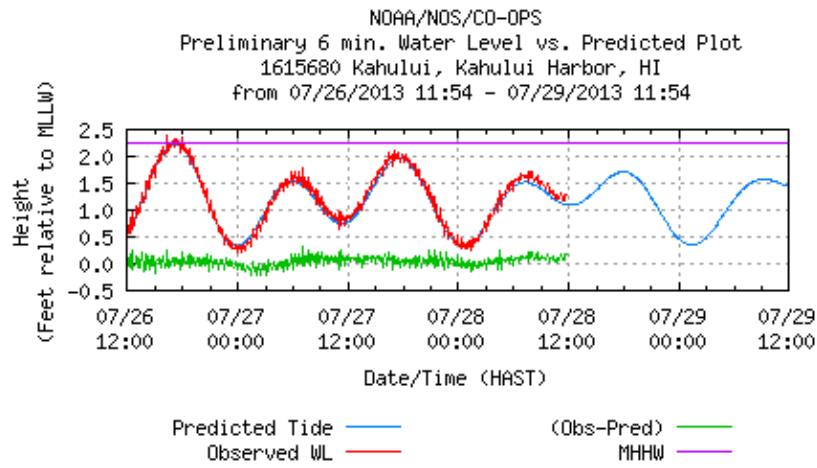


Last Observed Sample: 07/28/2013 11:42 (HAST)

Water Temperature: 82.9° F Air Temperature: 81.1° F



Kahului, Kahului Harbor, HI - Return to List

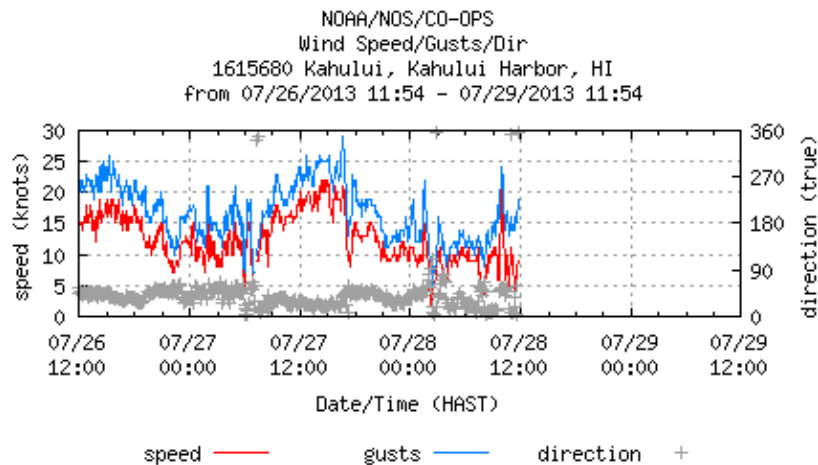


Last Observed Sample: 07/28/2013 11:42 (HAST)

Relative to MLLW: **Observed: 1.27 ft.** **Predicted: 1.10 ft.** **Residual: 0.17 ft.**

Historical Maximum Water Level: Dec 20 1968, 3.48 ft. above MLLW

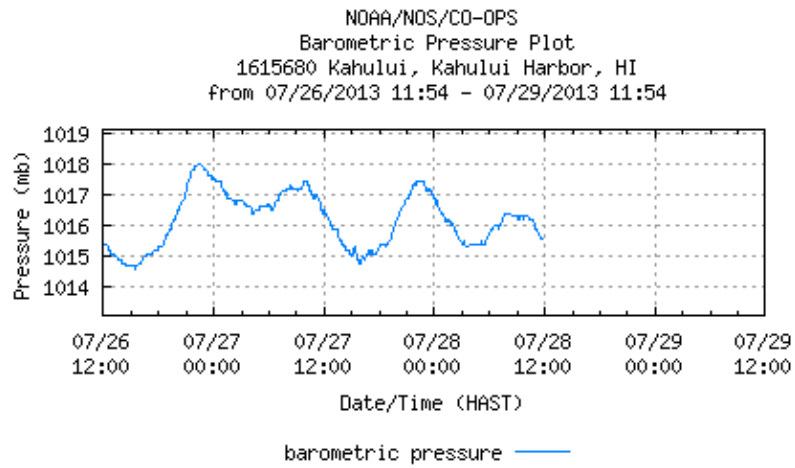
Kahului, Kahului Harbor, HI - Return to List



Last Observed Sample: 07/28/2013 11:42 (HAST)

**Wind Speed: 9 knots** **Gusts: 19 knots** **Direction: 358° T**

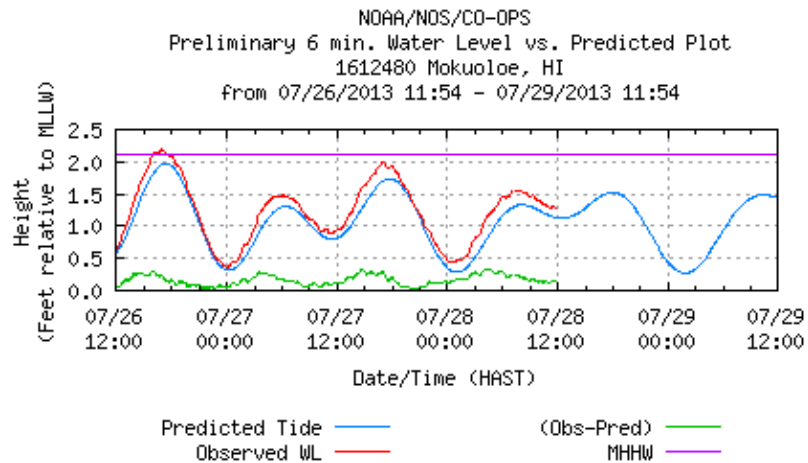
Kahului, Kahului Harbor, HI - Return to List



Last Observed Sample: 07/28/2013 11:42 (HAST)

Barometric Pressure: 1015.6 mb

Mokuoloe, HI - Return to List

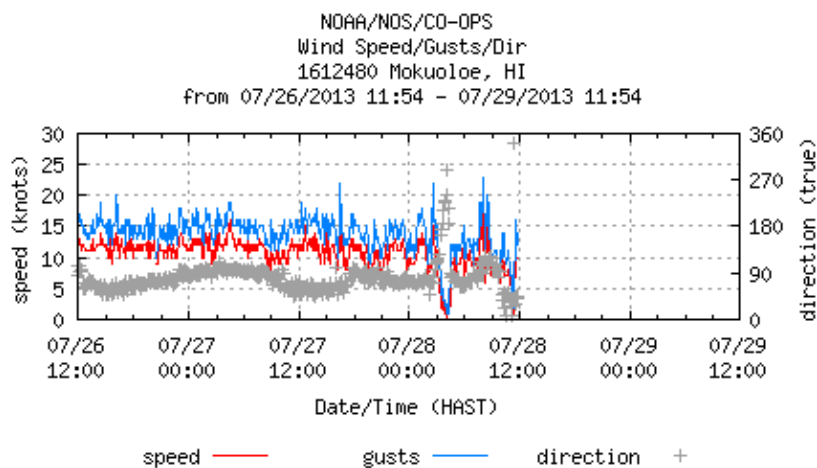


Last Observed Sample: 07/28/2013 11:48 (HAST)

Relative to MLLW: **Observed: 1.29 ft.** **Predicted: 1.13 ft.** **Residual: 0.16 ft.**

Historical Maximum Water Level: Jan 8 1974, 3.58 ft. above MLLW

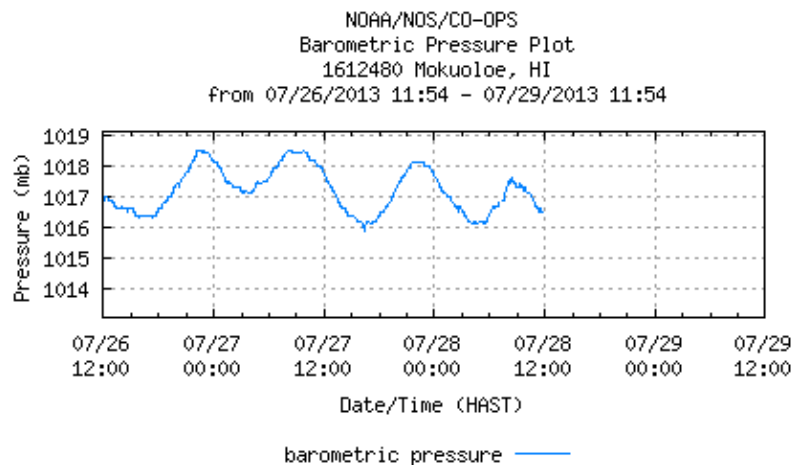
Mokuoloe, HI - Return to List



Last Observed Sample: 07/28/2013 11:48 (HAST)

Wind Speed: 10 knots Gusts: 14 knots Direction: 39° T

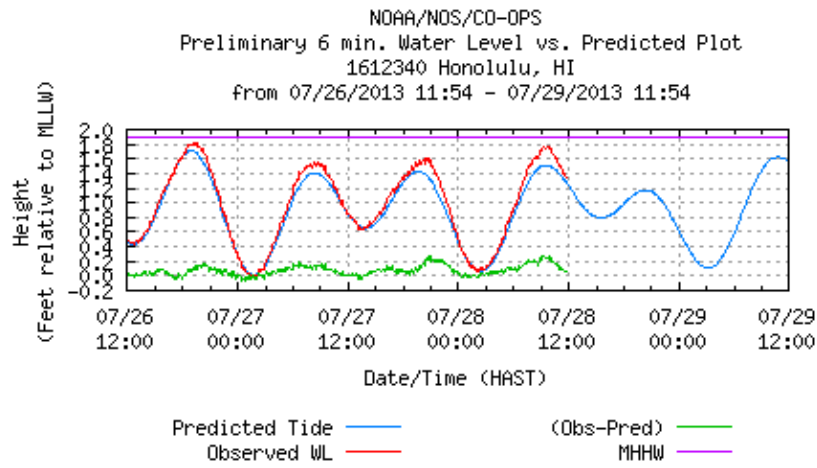
Mokuoloe, HI - Return to List



Last Observed Sample: 07/28/2013 11:48 (HAST)

Barometric Pressure: 1016.5 mb

Honolulu, HI - Return to List

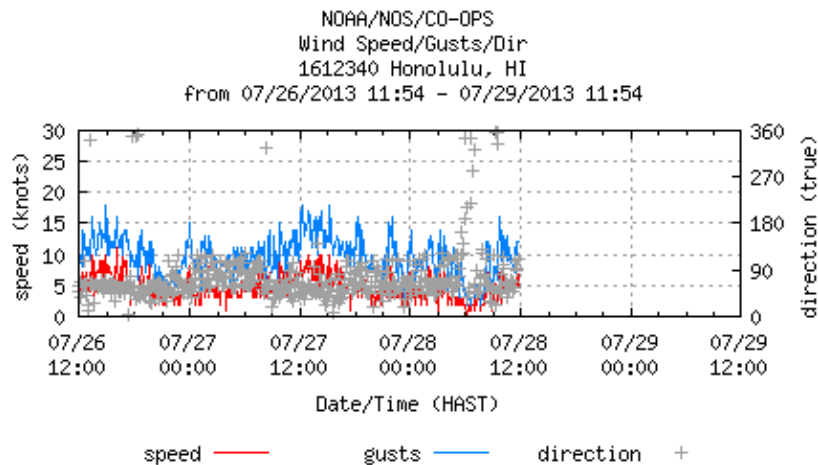


Last Observed Sample: 07/28/2013 11:42 (HAST)

Relative to MLLW: **Observed: 1.35 ft.** **Predicted: 1.28 ft.** **Residual: 0.07 ft.**

Historical Maximum Water Level: Feb 14 1967, 3.39 ft. above MLLW

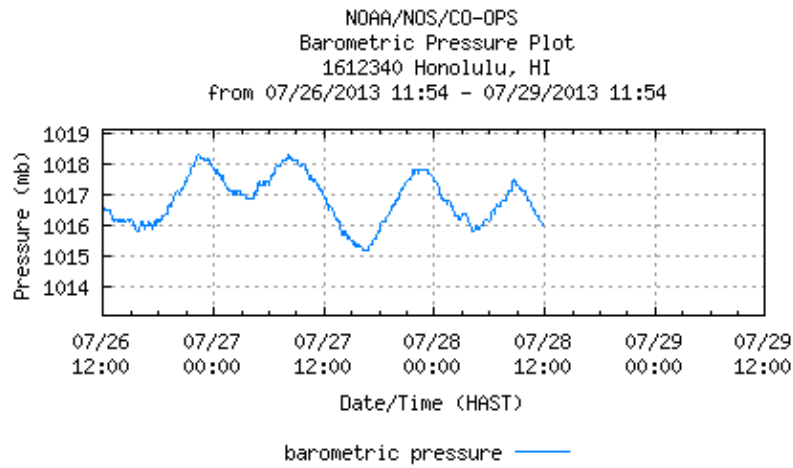
Honolulu, HI - Return to List



Last Observed Sample: 07/28/2013 11:42 (HAST)

**Wind Speed: 5 knots** **Gusts: 12 knots** **Direction: 111° T**

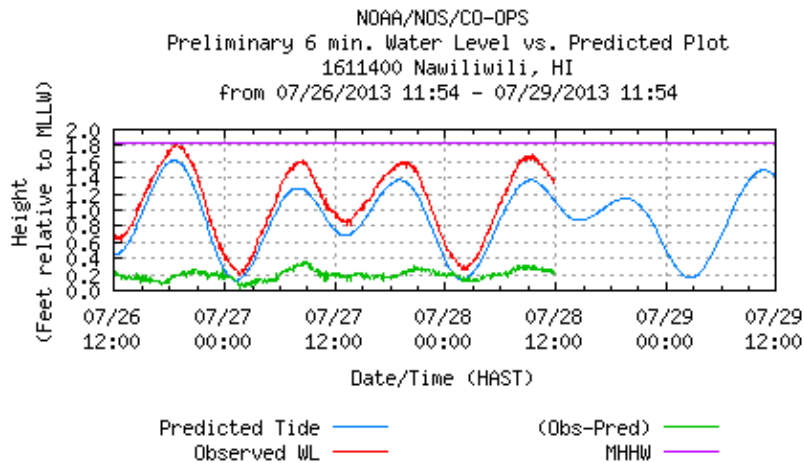
Honolulu, HI - Return to List



Last Observed Sample: 07/28/2013 11:42 (HAST)

Barometric Pressure: 1016.0 mb

Nawiliwili, HI - Return to List



Last Observed Sample: 07/28/2013 11:48 (HAST)

Relative to MLLW: **Observed: 1.34 ft. Predicted: 1.12 ft. Residual: 0.22 ft.**

Historical Maximum Water Level: Sep 11 1992, 4.98 ft. above MLLW